

004040-29754560

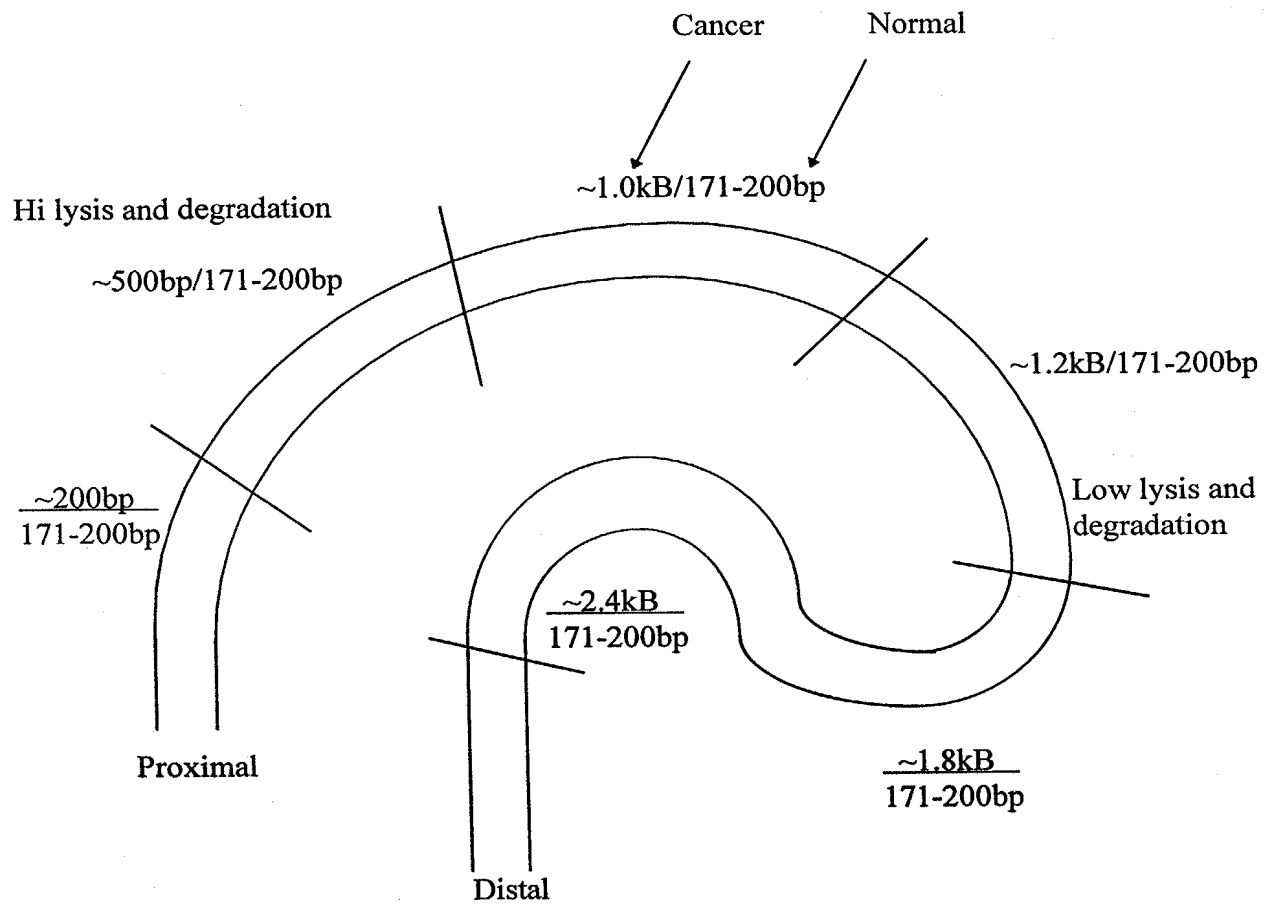
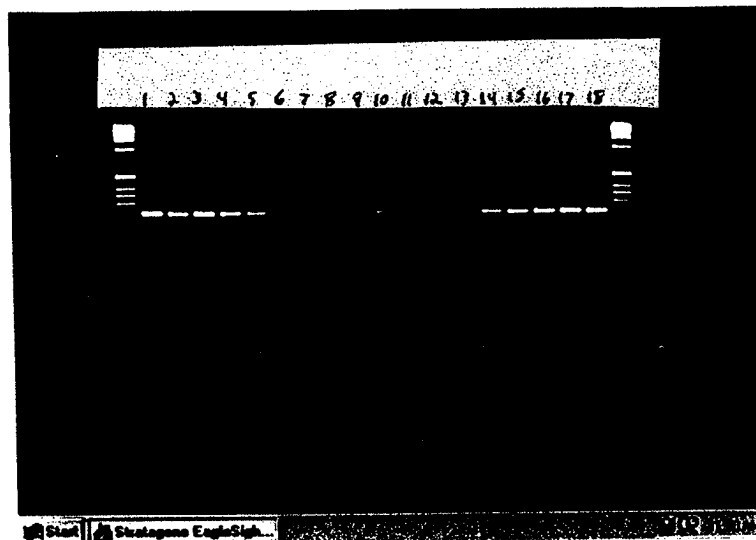


Figure 1

Figure 2

1997-1998 = 2000-2001 = 2002-2003 = 2004-2005 =

1. *Chlorophyll a* and *Chlorophyll b* were determined using a spectrophotometer (Shimadzu UV-1601) at 663 nm and 646 nm, respectively. The concentrations were calculated using the following equations: $Chl\ a = 11.85 \times OD_{663} - 1.81 \times OD_{646}$ and $Chl\ b = 21.9 \times OD_{646} - 6.87 \times OD_{663}$ (Morehead and Hendrey 1988).



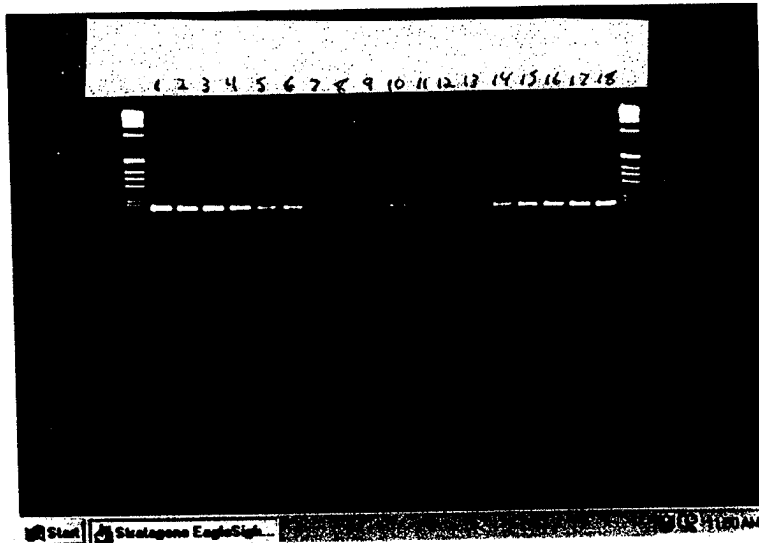
200bp amplifications
33 Cycles

<u>Lane</u>	<u>Q#</u>	<u>Sample Type</u>	<u>Sample Number</u>	<u>Grade</u>
1	7903.8	Abnormal	1	A
2	5627.4	Abnormal	2	A
3	8809.11	Abnormal	3	A
4	5421.94	Abnormal	4	A
5	1838.07	Positive Control		B
6	-549.23	Normal	5	C
7	-715	Normal	6	C
8	-1605.13	Normal	7	C
9	-824.73	Normal	8	C
10	259.77	Normal	9	C
11		Neg Control	-	
12		Neg Control	-	
13	400	400	Standard	
14	2000	2000	Standard	
15	4000	4000	Standard	
16	6000	6000	Standard	
17	8000	8000	Standard	
18	10000	10000	Standard	

A= >2000
B= 500-2000
C= <500

Figure 3

STRATAGENE ENGINE B B 11 04 01 00 1150153
 FILE D: \STRATAGENE\BIOSTAT\STRATAGENE
 FILE SIZE = 400 - 480
 FILE PERIOD = 0.07 560



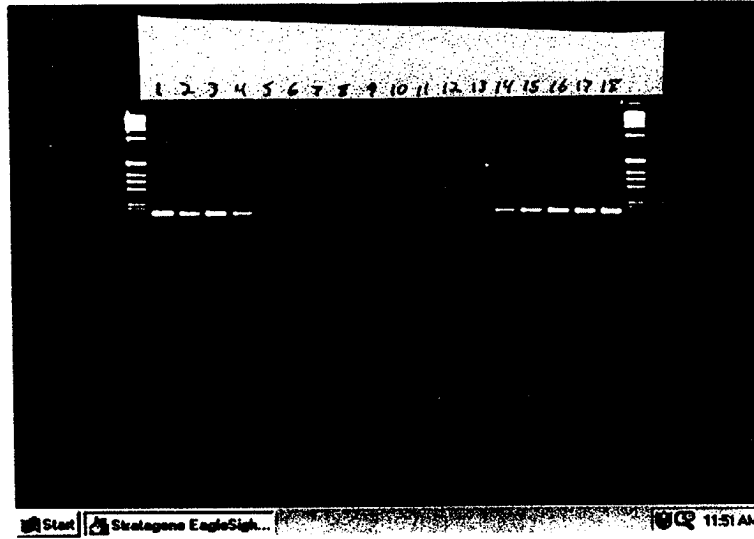
200bp amplifications
 35 Cycles

Lane	Q#	Sample Type	Sample Number	Grade
1	10851.04	Abnormal	1	A
2	8862.34	Abnormal	2	A
3	9777.85	Abnormal	3	A
4	6874.28	Abnormal	4	A
5	2392.07	Positive Control		B
6	3080.62	Normal	5	B
7	813.45	Normal	6	C
8	-720.04	Normal	7	C
9	-442.2	Normal	8	C
10	1353.86	Normal	9	B
11		Neg Control	-	
12		Neg Control	-	
13	400	400	Standard	
14	2000	2000	Standard	
15	4000	4000	Standard	
16	6000	6000	Standard	
17	8000	8000	Standard	
18	10000	10000	Standard	

A= >5000
 B= 1000-5000
 C= <1000

00545162 010700

Figure 4

[illegible][illegible]

200bp amplifications
34 Cycles

<u>Lane</u>	<u>Q#</u>	<u>Sample Type</u>	<u>Sample Number</u>	<u>Grade</u>
1	8428.34	Abnormal	1	A
2	4917.31	Abnormal	2	A
3	7742.22	Abnormal	3	A
4	3049.85	Abnormal	4	A
5	409.5	Positive Control		B
6	-682.75	Normal	5	C
7	-781.09	Normal	6	C
8	-1099.28	Normal	7	C
9	-1015.39	Normal	8	C
10	359.74	Normal	9	B
11		Neg Control	-	
12		Neg Control	-	
13	400	400	Standard	
14	2000	2000	Standard	
15	4000	4000	Standard	
16	6000	6000	Standard	
17	8000	8000	Standard	
18	10000	10000	Standard	

A = >750

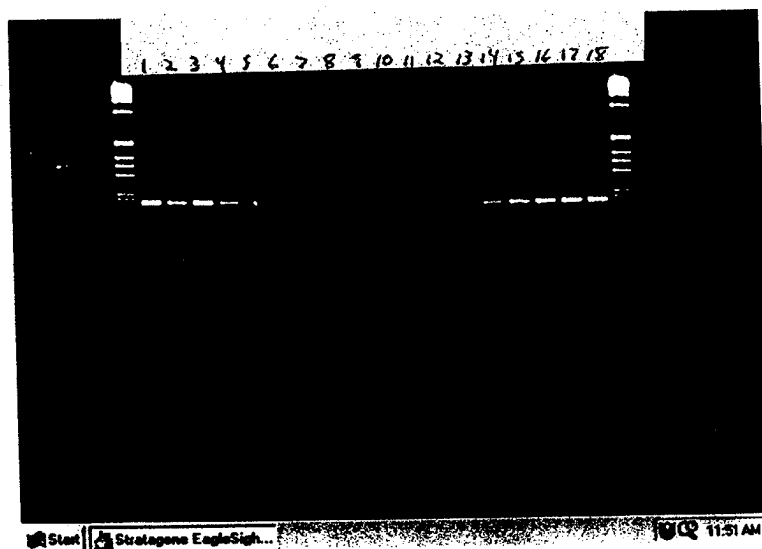
B= 250-750

C= <250

Figure 5

[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.



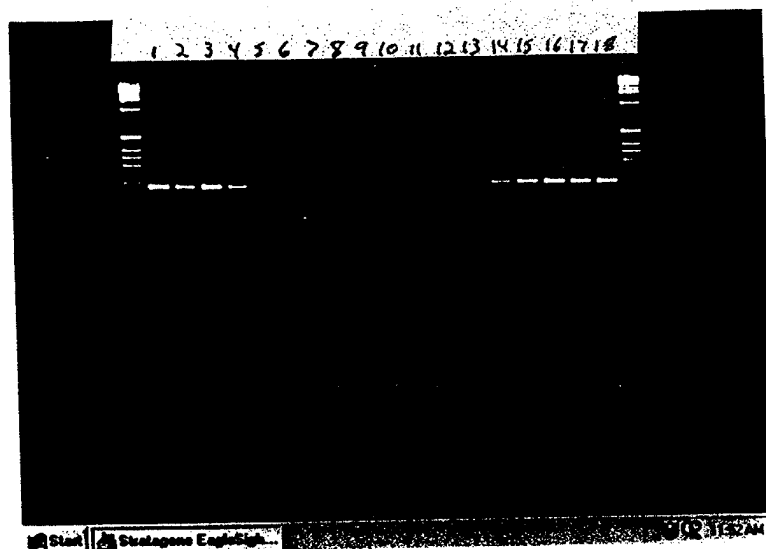
200bp amplifications
33 Cycles

<u>Lane</u>	<u>Q#</u>	<u>Sample Type</u>	<u>Sample Number</u>	<u>Grade</u>
1	7879.15	Abnormal	1	A
2	4079.09	Abnormal	2	A
3	7995.95	Abnormal	3	A
4	2600.3	Abnormal	4	A
5	1698.19	Positive Control		B
6	-405.32	Normal	5	C
7	-466.15	Normal	6	C
8	-1046.47	Normal	7	C
9	-764.83	Normal	8	C
10	105.05	Normal	9	C
11		Neg Control	-	
12		Neg Control	-	
13	400	400	Standard	
14	2000	2000	Standard	
15	4000	4000	Standard	
16	6000	6000	Standard	
17	8000	8000	Standard	
18	10000	10000	Standard	

A= >2000
B= 500-2000
C= <500

Figure 6

DATE RECEIVED: 11/20/2013

$$\begin{aligned} \text{Mean} &= \frac{150 + 300 + 450 + 600 + 750}{5} = 450 \\ \text{S.D.} &= \sqrt{\frac{150^2 + 300^2 + 450^2 + 600^2 + 750^2}{5} - 450^2} \\ &= \sqrt{150,000 - 202,500} = 150 \end{aligned}$$


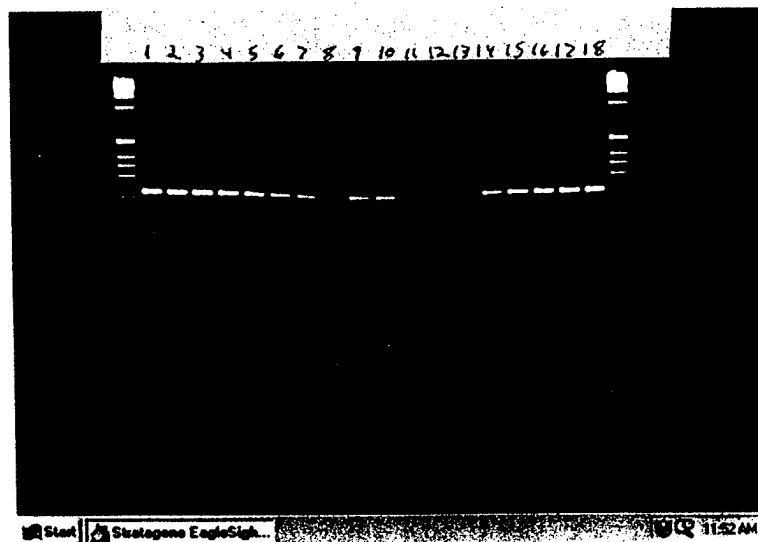
200bp amplifications
34 Cycles

<u>Lane</u>	<u>Q#</u>	<u>Sample Type</u>	<u>Sample Number</u>	<u>Grade</u>
1	7852.95	Abnormal	1	A
2	4797.07	Abnormal	2	A
3	8543.47	Abnormal	3	A
4	3597.23	Abnormal	4	A
5	943.84	Positive Control		B
6	-296.7	Normal	5	C
7	-5.48	Normal	6	C
8	-896.94	Normal	7	C
9	-196.87	Normal	8	C
10	414.81	Normal	9	C
11		Neg Control	-	
12		Neg Control	-	
13	400	400	Standard	
14	2000	2000	Standard	
15	4000	4000	Standard	
16	6000	6000	Standard	
17	8000	8000	Standard	
18	10000	10000	Standard	

A= >2000
B= 500-2000
C= <500

Figure 7

STRAT-GENE BASE E B 11 04 01 11:52:55
 FILE D: \JL\GENE\B01\01\STR-01.TIF
 IMAGE SIZE = 640 x 480 x 8
 NOT REPLIC = 0.001 SEC.



200bp amplifications
 34 Cycles

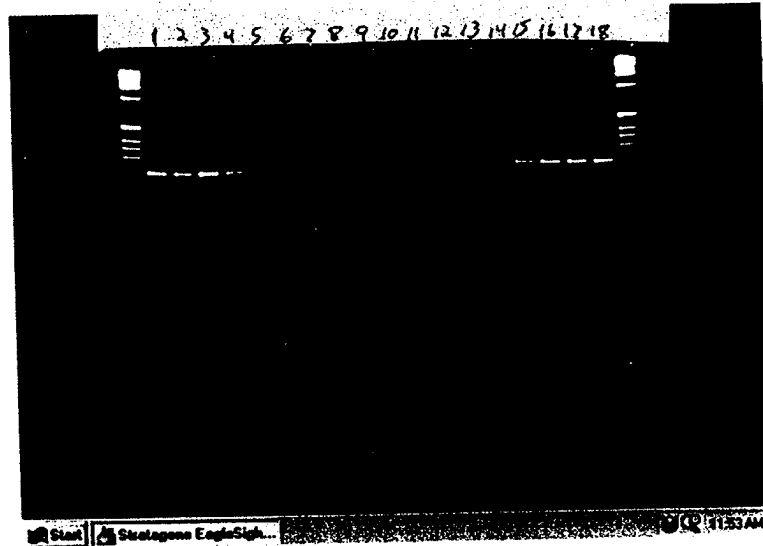
Lane	Q#	Sample Type	Sample Number	Grade
1	7660.6	Abnormal	1	A
2	7032.89	Abnormal	2	A
3	8364.31	Abnormal	3	A
4	6892.04	Abnormal	4	A
5	4883.47	Positive Control		A
6	1934.67	Normal	5	B
7	1380.84	Normal	6	B
8	-964.17	Normal	7	C
9	1729.51	Normal	8	B
10	2221.69	Normal	9	B
11		Neg Control	-	
12		Neg Control	-	
13	400	400	Standard	
14	2000	2000	Standard	
15	4000	4000	Standard	
16	6000	6000	Standard	
17	8000	8000	Standard	
18	10000	10000	Standard	

A= >5000
 B= 1000-5000
 C= <1000

00545162-040700

Figure 8

STRATAGENE EAGLE E.E. 11.04.01.99.1055201
 FILE C:\IMAGES\BOYNTON\TEMP\1.TIF
 IMAGE SIZE = 640 x 480 x 8
 DUT PERIOD = 0.87 SEC.



200bp amplifications
 33 Cycles

<u>Lane</u>	<u>Q#</u>	<u>Sample Type</u>	<u>Sample Number</u>	<u>Grade</u>
1	8519.13	Abnormal	1	A
2	5745.19	Abnormal	2	A
3	9765.65	Abnormal	3	A
4	4153.79	Abnormal	4	A
5	1869.33	Positive Control		B
6	418.37	Normal	5	C
7	405.91	Normal	6	C
8	-258.08	Normal	7	C
9	141.64	Normal	8	C
10	450.78	Normal	9	C
11		Neg Control	-	
12		Neg Control	-	
13	400	400	Standard	
14	2000	2000	Standard	
15	4000	4000	Standard	
16	6000	6000	Standard	
17	8000	8000	Standard	
18	10000	10000	Standard	

A= >2000
 B= 500-2000
 C= <500

09545162-040700

Figure 9

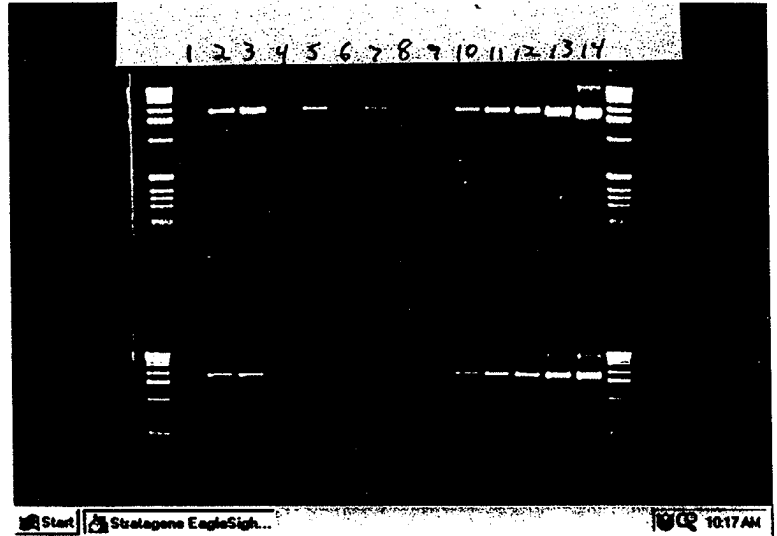
1.8 kb amplifications

36 Cycles

Lane	Q#	Sample
1		Neg Control
2	102.935	Abnormal
3	260.645	Abnormal
4	0.075	Normal
5	48.305	Abnormal
6	0.045	Normal
7	18.575	Normal
8		Neg Control
9		Neg Control
10	75	75
11	125	125
12	250	250
13	500	500
14	1000	1000

Abnormal / Normal cutoff 40

STRATAGENE EAGLE EYE II 04 01 55 10:17:36
 FILE D:\IMAGES\BOXTON\76741.TIF
 IMAGE SIZE 640 x 480 x 8
 INT PERIOD = 0.49 SEC.



002040-2274450

Figure 10

1.8 kb amplifications

38 Cycles

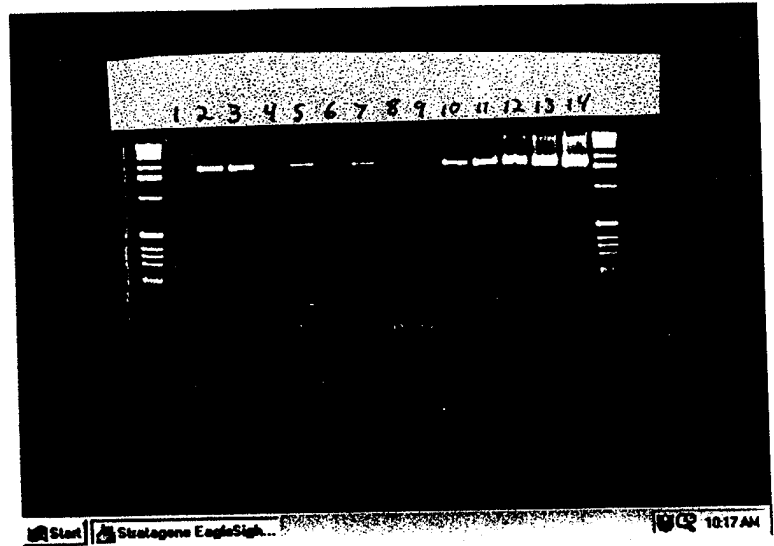
Lane	Q#	Sample
1		Neg Control
2	81.84	Abnormal
3	91.515	Abnormal
4	0.04	Normal
5	24.86	Abnormal
6	0.88	Normal
7	17.25	Normal
8		Neg Control
9		Neg Control
10	75	75
11	125	125
12	250	250
13	500	500
14	1000	1000

Abnormal / Normal cutoff

20

STRATAGENE Eagle Eye II 04 01 44 10:17:00

FILE D:\IMAGES\80\NTOR\T8042.TIF
IMAGE SIZE = 640 x 480 x 8
EXP. PERIOD = 0.49 SEC.



002040-29T5H560

Figure 11

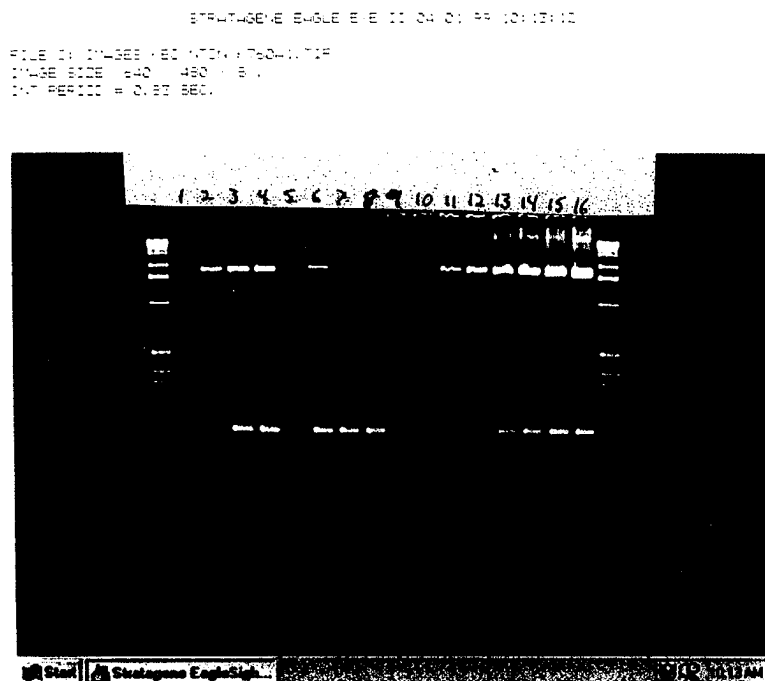
1.8 kb amplifications

40 Cycles

<u>Lane</u>	<u>Q#</u>	<u>Sample</u>
1		Neg Control
2	70.72	Abnormal
3	92.78	Abnormal
4	96.76	Abnormal
5	0.00	Normal
6	29.85	Abnormal
7	0.00	Normal
8	2.00	Normal
9		Neg Control
10		Neg Control
11	75	75
12	125	125
13	250	250
14	500	500
15	1000	1000
16	2000	2000

Abnormal / Normal cutoff

10



Wet Weight (g)		Dry Weight (g)		Ash (g)		Protein (g)		Fat (g)		Carbohydrate (g)		Fiber (g)		Minerals (g)	
Sample	Value	Sample	Value	Sample	Value	Sample	Value	Sample	Value	Sample	Value	Sample	Value	Sample	Value
1	10.5	1	3.2	1	0.5	1	2.5	1	0.8	1	1.2	1	0.1	1	0.2
2	12.1	2	3.8	2	0.6	2	2.8	2	0.9	2	1.4	2	0.2	2	0.3
3	11.8	3	3.6	3	0.5	3	2.7	3	0.8	3	1.3	3	0.1	3	0.2
4	13.2	4	4.1	4	0.7	4	3.0	4	1.0	4	1.6	4	0.3	4	0.4
5	12.9	5	3.9	5	0.6	5	2.9	5	0.9	5	1.5	5	0.2	5	0.3
6	14.5	6	4.5	6	0.8	6	3.2	6	1.1	6	1.8	6	0.4	6	0.5
7	13.8	7	4.2	7	0.7	7	3.1	7	1.0	7	1.7	7	0.3	7	0.4
8	15.1	8	4.7	8	0.9	8	3.4	8	1.2	8	2.0	8	0.5	8	0.6
9	14.3	9	4.4	9	0.8	9	3.3	9	1.1	9	1.9	9	0.4	9	0.5
10	16.2	10	5.0	10	1.0	10	3.6	10	1.3	10	2.2	10	0.6	10	0.7